

**RECEIVED  
CENTRAL FAX CENTER****MAY 09 2007****Appln No. 10/751,341  
Amdt date May 9, 2007****Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Currently amended) A plasma display panel, comprising:  
a first substrate and a second substrate provided opposing one another with a predetermined gap therebetween;  
address electrodes formed on the second substrate;  
barrier ribs mounted between the first substrate and the second substrate, the barrier ribs defining a plurality of discharge cells and a plurality of non-discharge regions;  
a phosphor ~~layer~~ ~~layers~~ formed within each of the discharge cells; and  
discharge sustain electrodes formed on the first substrate,  
wherein the non-discharge regions are formed in areas encompassed by discharge cell abscissas that pass through centers of adjacent discharge cells and discharge cell ordinates that pass through centers of adjacent discharge cells,  
wherein each of the discharge cells is formed such that ends of the discharge cells gradually decrease in width along a direction the discharge sustain electrodes are formed as a distance from a center of the discharge cells is increased along a direction the address electrodes are formed.  
wherein the discharge sustain electrodes include bus electrodes that extend such that a pair of the bus electrodes is provided for each of the discharge cells, and protrusion electrodes formed extending from each of the bus electrodes such that a pair of opposing protrusion electrodes is formed within areas corresponding to each discharge cell, each protrusion electrode joining a respective bus electrode at a respective single junction and tapering from a larger width within a discharge cell to a smaller width at the respective single junction;  
wherein a distal end of each of the protrusion electrodes opposite proximal ends connected to and extended from the bus electrodes is formed including an indentation, and a first

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discharge gap and a second discharge gap of different sizes are formed between distal ends of opposing protrusion electrodes, and

wherein the discharge cells are filled with discharge gas containing 10% or more Xenon.

2. (Original) The plasma display panel of claim 1, wherein the discharge cells are filled with discharge gas containing 10 - 60% Xenon.

3. (Original) The plasma display panel of claim 2, wherein if A is a sum of a size of a first discharge gap and a second discharge gap, the following condition is satisfied,  
$$167 \leq F(A+Xe) \leq 240,$$

where F(A+Xe) is the sum of the A values with the Xenon (Xe) content values in which there has been no conversion in the units of micrometers for the A values and the units of percentage for the Xe content values.

4. - 14. (Cancelled)

15. (Currently amended) A plasma display panel, comprising:  
a first substrate and a second substrate provided opposing one another with a predetermined gap therebetween;  
address electrodes formed on the second substrate;  
barrier ribs mounted between the first substrate and the second substrate, the barrier ribs defining a plurality of discharge cells and a plurality of non-discharge regions;  
a phosphor ~~layer layers~~ formed within each of the discharge cells; and  
discharge sustain electrodes formed on the first substrate,  
wherein the non-discharge regions are formed in areas encompassed by discharge cell abscissas that pass through centers of adjacent discharge cells and discharge cell ordinates that pass through centers of adjacent discharge cells,  
wherein each of the discharge cells is formed such that ends of the discharge cells gradually decrease in width along a direction the discharge sustain electrodes are formed as a

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distance from a center of the discharge cells is increased along a direction the address electrodes are formed,

wherein the discharge sustain electrodes include bus electrodes that extend such that a pair of the bus electrodes is provided for each of the discharge cells, and protrusion electrodes formed extending from each of the bus electrodes such that a pair of opposing protrusion electrodes is formed within areas corresponding to each discharge cell;

wherein a distal end of each of the protrusion electrodes opposite proximal ends connected to and extended from the bus electrodes is formed including an indentation, and a first discharge gap and a second discharge gap of different sizes are formed between distal ends of opposing protrusion electrodes,

wherein the discharge cells are filled with discharge gas containing 10 - 60% Xenon, and

wherein if A is a sum of a size of a first discharge gap and a second discharge gap, the following condition is satisfied,

$$167 \leq F(A+Xe) \leq 240,$$

where F(A+Xe) is the sum of the A values with the Xenon (Xe) content values in which there has been no conversion in the units of micrometers for the A values and the units of percentage for the Xe content values.